1. MARKET SERVICE DESCRIPTION

A. Basic Service Functions

ISDN Basic Rate Interface (BRI) Unbundled Port is a digital service providing two 64 Kbps B channels which transmit digital voice, video and/or data; and one D channel which provides signaling for the service and supports 9.6 Kbps customer packet switched data.

B. Basic Service Capabilities

In addition to standard ISDN capability packages, the BRI port can be provisioned with one of four new national standard feature packages designed to meet the specific needs of customers wanting to use ISDN service for Internet access and Work at Home (WAH) The four new feature packages are:

EZ-1	Internet Access
EZ-1A	Internet Access w/ voice messaging
EZ-2	Work At Home
EZ-2A	Work At Home w/ voice messaging

2. INSTALLATION INTERVALS

Normal Installation Intervals: YES_X_ NO___
Project Coordination Required: YES___ NO_X_

3. SERVICE INQUIRY & ORDERING GUIDELINES

To order ISDN BRI the CLEC should complete the following forms and submit them to their Account Team:

Local Service Request
End User Information
Unbundled Port - ISDN

Port Service - ISDN

ISDN Basic Rate Interface (Please select from one of the following three options):

☐ 1) Single Line ISDN:

Quantity _____

Available feature options for Single Line ISDN [Please check appropriate request(s)]:

☐ Package EZ1	☐ Package EZ2	☐ Capability Package S
☐ Package EZ1A	☐ Package EZ2A	

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ 2) Basic Rate ISDN associated with MultiServ:

Quantity _____

☐ 3) Basic Rate ISDN associated with ESSX:

Quantity _____

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ 1) ISDN PRI:

Quantity of Pipes _____

Port/Loop Service - ISDN

ISDN Basic Rate Interface (Please select from one of the follwing three options):

☐ 1) Single Line ISDN:

Quantity of Circuits (DSL Pipes) _____

Available options for Single Line ISDN [Please check appropriate request(s)]:

☐ Package EZ1 ☐ Package EZ2 ☐ Capability Package S
☐ Package EZ1A ☐ Package EZ2A

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ 2) Basic Rate ISDN associated with MultiServ:

Quantity of Circuits (DSL Pipes) _____

☐ 3) Basic Rate ISDN associated with ESSX:

Quantity of Circuits (DSL Pipes) _____

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ 1) ISDN PRI:

Quantity of Pipes _____

1. MARKET SERVICE DESCRIPTION

A. Basic Service Functions

ISDN Primary Rate Interface (PRI) Unbundled Port consists of twenty-three 64 Kbps bearer (B) channels, and one 64 Kbps data (D) Channel for signaling. The B channels each support 64 Kbps digital transmission for voice, video and/or data. The D channel supports the out-of-band signaling for the service and packet switched data transport at 9.6 Kbps. Calling Number Delivery, Called Number Delivery and Hunting functionality are inherent to this service.

Rate elements for this service are: Primary Rate Interface, Primary Rate B Channels, D Channel, Call-By-Call/Integrated Service Access Feature Capability, and an optional Incoming Call Identification feature. Other services, e.g., Hunting, Direct Inward Dialing, etc., are also available.

B. Basic Service Capabilities

ISDN PRI Unbundled Port service is currently available in two versions: 1)Voice/Date and 2) Digital Data Only. The Voice/Data option allows transmission of voice, digital and analog data, and video. The Digital Data Only (DDO) option allows transmission of digital data calls only. (Analog modem calls will not terminate on a DDO option.) BellSouth is currently developing an Inward Only Data option which will support inward only digital and analog data calls.

ISDN PRI offers several optional features:

- -Non-Facility Associated Signaling (NFAS) provides the capability to control multiple PRIs with a single D Channel.
- -Incoming Call Extension (ICE) allows customers to retain their existing telephone numbers when ISDN PRI service is provided via a foreign central office.
- -Next Route Index (NRI) allows voice or voice and data calls to be routed to another ISDN PRI service arrangement in the same switch. NRI is applicable to DDO port service.

2. INSTALLATION INTERVALS

Normal Installation Intervals: YES_X_ NO___
Project Coordination Required: YES_X_ NO___

3. SERVICE INQUIRY & ORDERING GUIDELINES

To order ISDN PRI, the CLEC should complete the following forms and submit them to their Account Team:

Local Service Request
End User Information
Unbundled Port - ISDN (PRI Section)

Port Service - ISDN

ISDN Basic Rate Interface (Please select from one of the following three options):

☐ 1) Single Line ISDN:

Quantity _____

Available feature options for Single Line ISDN [Please check appropriate request(s)]:

☐ Package EZ1	☐ Package EZ2	☐ Capability Package S
☐ Package EZ1A	☐ Package EZ2A	

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ 2) Basic Rate ISDN associated with MultiServ:

Quantity _____

☐ 3) Basic Rate ISDN associated with ESSX:

Quantity _____

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ 1) ISDN PRI:

Quantity of Pipes _____

Port/Loop Service - ISDN

ISDN Basic Rate Interface (Please select from one of the follwing three options):

☐ 1) Single Line ISDN:

Quantity of Circuits (DSL Pipes) _____

Available options for Single Line ISDN [Please check appropriate request(s)]:

☐ Package EZ1	☐ Package EZ2	☐ Capability Package S
☐ Package EZ1A	☐ Package EZ2A	

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐ 2) Basic Rate ISDN associated with MultiServ:

Quantity of Circuits (DSL Pipes) _____

☐ 3) Basic Rate ISDN associated with ESSX:

Quantity of Circuits (DSL Pipes) _____

ISDN Primary Rate Interface (Please select from one of the following two options):

☐ 1) ISDN PRI:

Quantity of Pipes _____

Unbundled Packet Switching
CLEC Information Package

March 4, 1997

Section 1. Market Service Description

Basic Service Capabilities

Frame Relay Service

Frame Relay Service is connection oriented packet mode service based on the X.25 LAP-D standards. Frame Relay provides the user access links with speeds from 56/64 Kbps to 44.210 Mbps. With Frame Relay technology, data is taken from the end-device terminal, packaged into variable length frames, and transported through the network on predefined logical channels. The frame's format consists of a opening flag followed by a two octet address field, a user data field, a frame check sequence, and a closing flag. Improved performance over existing packet switching is achieved with Frame Relay by elimination of link-by-link error monitoring.

Frame Relay offers one version of service, at present, Permanent Virtual Circuits (PVC). The PVC Frame Relay service allows the user to set up a series of point-to-point virtual circuits through the network. A PVC is provisioned via a service order when service is established and taken down when service is discontinued.

From a technical perspective, the greatest strength of Frame Relay is that much of the error correction and control information overhead of the X.25 protocol is eliminated. Since PVC Frame Relay establishes a "nailed-up" connection between two locations in the network, large variable length frames can be sent back and forth without as much control information and validation at intermediate nodes. Traditional X.25 packet traffic consists of small fixed length packets which require a great deal of checking and validation at every intermediate node to ensure that all elements are delivered and re-compiled in the correct sequence. Frame Relay should provide greater network throughput and reduced delay by reducing overhead and link level processing at intermediate nodes.

Almost any protocol can be carried transparently by Frame Relay service. If protocol conversion is required, the conversion is performed by the customer's end-device terminal.

Connectionless Data Service

Connectionless Data Service (CDS) is a low to medium speed (56 Kbps to 45 Mbps) public packet switched service which is used to extend Local Area Network (LAN) characteristics over a wide area.. The term "connectionless" means that each packet is addressed and routed separately without first establishing a network connection. The customer's equipment must support the Level 3 functions of SMDS using the Data Exchange Interface (DXI) protocol to communicate with the CDS switch. An SMDS-equipped DTE will provide the SMDS Level 3 functions and support the DXI protocol. To support DXI, most DTE (e.g. routers) only require a software upgrade. For transport via CDS, user data is encapsulated in packets called SMDS Interface Protocol (SIP) Level Three Protocol Data Units. (L3_PDU). Each L3_PDU is addressed and switched independently, without a previous establishment of a network connection or a virtual call. Each L3_PDU may contain up to 9,188 octets of information. This allows CDS packets to encapsulate entire packets from most LANs (e.g. Ethernet, Token Ring, FDDI). To be viable, CDS must appear "transparent" to the end-user.

The DXI protocol's overhead is 4 bytes per data frame, whereas the overhead on SMDS 802.6 links is 9 bytes for every 44 bytes of data, which provides approximately 20% savings in overhead.

Initially, CDS is expected to be largely used for LAN-to-LAN interconnection. Therefore, it must satisfy the applications already supported on LANs. Some example applications which

could be supported are: Desktop Publishing and Computer-Aided Design, Engineering and Manufacturing (CAD/CAE/CAM). The end-users of these applications should experience communications fast enough and with small enough delay that they do not perceive performance degradation for functions performed remotely rather than within the LAN environment.

Basic Service Features

Unbundled Packet Switching (UPS) consist of four basics elements. The UPS User Network Interface (UNI), the Subscriber Network Interface (SNI), the UPS Network to Network Interface (NNI) and the Switch to Switch Interface (SSI).

Unbundled Packet Switching -User Network Interface

The UPS-UNI provides end-user connection to the Fast Packet switched network. UNI ports are available at line rates of 56 and 64 kbps (DS0), 1.536 Mbps (DS1) and 44.210 Mbps(DS3). UNIs are available for Frame Relay Service (FRS) only .

UPS-UNI FRS 56 Kbps

Provides a 56 kbps access port to Frame Relay Service configured as a User Network Interface (UNI).

UPS-UNI FRS 64 Kbps

Provides a 64 kbps access port to Frame Relay Service configured as a User Network Interface (UNI).

UPS-UNI FRS 1.536 Mbps

Provides a 1.536 Mbps access port to Frame Relay Service configured as a User Network Interface (UNI).

UPS-UNI FRS 44.210 Mbps

Provides a 44.210 Mbps access port to Frame Relay Service configured as a User network Interface (UNI).

Unbundled Packet Switching - Subscriber Network Interface

The UPS-SNI provides end-user connection to the Fast Packet switched network. SNI ports are available at line rates of 56 and 64 kbps (DS0), 1.536 Mbps (DS1) and 44.210 Mbps(DS3). SNIs are available for Connectionless Data Service (CDS) only. .

UPS-SNI CDS 56 Kbps

Provides a 56 kbps access to Connectionless Data Service configured as a Subscriber Network Interface (SNI).

UPS-SNI CDS 64 Kbps

Provides a 64 kbps access to Connectionless Data Service configured as a Subscriber Network Interface (SNI).

UPS-SNI CDS 1.536 Mbps

Provides a 1.536 Mbps access to Connectionless Data Service configured as a Subscriber Network Interface (SNI).

UPS-SNI CDS 44.210 Mbps

Provides a 44.210 Mbps access to Connectionless Data Service configured as a Subscriber Network Interface (SNI).

Unbundled Packet Switching - Network to Network Interface

Unbundled Packet Switching - Network to Network Interface (UPS-NNI) provides connection to the Fast Packet switched network. NNI ports are available at line rates of 56 and 64 kbps (DS0), 1.536 Mbps (DS1) and 44.210 Mbps (DS3) . UPS-NNIs .are available for Frame Relay Service only.

UPS-NNI FRS 56 Kbps

Provides a 56 kbps access port to Frame Relay Service configured as a Network to Network Interface (NNI).

UPS-NNI FRS 64 Kbps

Provides a 64 kbps access port to Frame Relay Service configured as a Network to Network Interface (NNI).

UPS-NNI FRS 1.536 Mbps

Provides a 1.536 Mbps access port to Frame Relay Service configured as a Network to Network Interface (NNI).

UPS-NNI FRS 44.210 Mbps

Provides a 44.210 access port to Frame Relay Service configured as a Network to Network Interface (NNI).

Unbundled Packet Switching - Switch to Switch Interface

Unbundled Packet Switching - Switch to Switch Interface (UPS-SSI) provides connection between the BellSouth Fast Packet switched network and customer owned Fast Packet switched networks. SSI ports are available at line rates of 56 and 64 kbps (DS0), 1.536 Mbps (DS1) and 44.210 Mbps(DS3) . UPS-SSIs. are available for Connectionless Data Service only.

UPS-SSI CDS DS0

Provides a 56 kbps access to Connectionless Data Service configured as a Switch to Switch Interface (SSI).

UPS-SSI CDS 64 Kbps

Provides a 64 kbps access to Connectionless Data Service configured as a Switch to Switch Interface (SSI).

UPS-SSI CDS 1.536 Mbps

Provides a 1.536 Mbps access to Connectionless Data Service configured as a Switch to Switch Interface (SSI).

UPS-SSI CDS 44.210 Mbps

Provides a 44.210 Mbps access to Connectionless Data Service configured as a Switch to Switch Interface (SSI).

Unbundled Packet Switching - Frame Relay Data Link Connection Identifier (DLCI)

Unbundled Packet Switching - Frame Relay Data Link Connection Identifier (DLCI) provides a local address by which a Frame Relay data link can be identified and mapped together to provide an end-to-end permanent virtual circuit (PVC).

Unbundled Packet Switching - Frame Relay Committed Information Rate (CIR)

Frame Relay Committed Information Rate is an element designed provide the end-user with a sustained throughput under normal conditions. CIR is offered at the following rates:

0 Bps

Over 0 thru 32 Kbps

Over 32 thru 56 Kbps

Over 56 thru 64 Kbps

Over 64 thru 128 Kbps

Over 128 thru 256 Kbps

Over 256 thru 384 Kbps

Over 384 thru 512 Kbps

Over 512 thru 768 Kbps

Over 768 thru 1.536 Mbps

Over 1.536 thru 4 Mbps

Over 4 Mbps thru 10 Mbps

Over 10 Mbps thru 16 Mbps

Over 16 thru 34 Mbps

Over 34 thru 44.210 Mbps

Unbundled Packet Switching - Connectionless Data Service Optional Features

UPS- CDS Individual Addresses

Provides the customer with multiple addresses associated with one CDS SNI. A maximum of 16 addresses is allowed per SNI.

UPS - CDS Individual and Group Address Screening Table

Address screening allows restrictions to be reinforced on the delivery of CDS packets to particular destinations. This feature allows the customer to set up two lists of addresses per SNI. One list defines destination address screening for individually addressed packets and source address screening for all packets (whether individual or group addressed). The second list defines destination address screening for group addressed data sent by the CPE. The combined total of addresses in both tables may not exceed 128.

UPS - CDS Group Address List

This feature allows the customer to pre-assign a list of individual SNI addresses as a Group Address. With this feature invoked, data that is sent to the Group Address will be reproduced by the CDS network and sent to every SNI that has an address on the list. A maximum of 128 SNI addresses may be contained in one Group Address List.

Pricing Structure

The Unbundled Packet Switching UNEs represent dedicated Fast Packet switch resources which are inventoried, designed, assigned and provisioned as required to support the various elements. Non-recurring charges are required to recover costs associated with the design and provisioning of the elements lists in 1.2 above. Recurring charges are developed to recover to cost associated with the physical plant which is required to provide the service.

Deployment Schedule

UPS - FRS and CDS are available in all LATAs of BellSouth.

Pricing Structure

FRS and CDS are priced as flat-rated customer connections. The pricing structure is connection speed specific. Optional features of each service are also flat-rated.

Section 2. Performance Standards and Reliability

General Description of Performance Standards

The UPS UNEs are in compliance with various industry standards as follows:

UPS FRS UNI

ANSI T1.617-1991, "Integrated Services Digital Network (ISDN) -Digital Subscriber Signaling System No. 1 (DSS1) - Signaling Specification for Frame Relay Service", American National Standards Institute, and ANSI T1.618-1991, " Integrated Services Digital Network (ISDN) - Core Aspects of Frame Relay Bearer Service", American National Standards Institute.

Document No. 001-208966, "Frame Relay Specification with Extension Based on Proposed T1S1 Standards", Digital Equipment Corporation, Northern Telecom, Inc., and StrataCom, Inc.

UPS FRS NNI

Frame Relay Forum Document FRF.2, Frame Relay Network-to-Network Phase 1 Implementation Agreement.

All UNI access facilities must be in conformance with ANSI standards T1.617-1991, T1.618-1991.

All NNI access facilities must be in conformance with ANSI standards and Bellcore Technical Reference TR-TSV-001370.

Performance specifications for BellSouth FRS are contained in:

BellSouth Technical Reference 73587, Frame Relay Service Interface and Performance Specifications.

UPS CDS

CDS access utilizes Inter-Carrier Interface Protocol (ICIP) Level 3 as defined in Bellcore TR-TSV-001060, and DXI Data Link (Level 2) protocol as defined in Bellcore TR-TSV001239. Detailed BellSouth conformance to the requirements in these documents is contained in Cascade documents 80011 and 80012, respectively. DS3 physical level specifications conform to the Asychronous c-bit Parity structure defined in ANSI T1.107a-1990.

Installation Intervals

Normal Installation Intervals will apply to Unbundled Packet Switching elements. The interval required for a UPS basic element (UNI, NNI, SNI or SSI) is ten days from the Application Date. The ten day requirement is detailed below:

Service Inquiry to Application Date - 2 Days

Application Date to Service Order Issue Date - 1 Day

Service Order Issue Date to Loop Assignment Make-up - 1 Day

Loop Assignment Make-up to Records Issue Date - 2 Days

Records Issue Date to Design Verified Date - 1 Day

Design Verified Date to Wired and Office Tested - 2 Days

Wired and Office Tested to Frame Continuity Date - 0 Days

Frame Continuity Date to Plant Test Date - 1 Day

Plant Test Date to Due Date - 2 days

Orders issued for optional features such as CIR or adding or deleting DLCIs will require only 2 days.

Section 3. Service Inquiry & Ordering Guidelines

General Description of Service

Description

The term Fast Packet Access Service denotes high speed Frame Relay (FR) and Connectionless Data Service (CDS) connectivity over a wide geographic area. **Unbundled Fast Packet Service (UPS)** service uses digital transmission facilities and switching technology to provide high speed information transfers with large bandwidth requirements.

Fast Packet technology divides data into blocks (packets/frames). These packets are transported through the Company's Network..

UPS - Frame Relay Service (UPS-FR)
UPS - FR is a connection oriented data service for the transmission of data frame. Frames are relayed by virtual connection, and travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

This service uses Permanent Virtual Circuits (PVCs). A PVC is a logical channel from one Frame Relay network interface to another Frame Relay network interface. PVCs are end to end, bi-directional channels that are established via the service provisioning process. A PVC is used to connect two DLCI's in the Cascade switch. Cascade Communications, Incorporated is the approved vendor for the frame relay switch in BellSouth.

Two Network Interfaces are available with UPS - FR Service. The UPS User Network Interface (UPS - UNI) is a standard interface used to connect the customer to the Frame Relay Network. It receives the data frame from the customer's network or device (such as a router) and verifies that the Data Link Connection Interface (DLCI) is valid to the destination. The UPS - UNI is offered at multiple transmission speeds of:

56 Kbps - DS0
64 Kbps - DS0
1.536 Mbps - DS1
44.210 Mbps - DS3

The UPS - Network-to-Network interface (UPS - NNI) (interface between adjacent frame relay networks) specifies how a UPS Frame Relay switch sends and receives data from another provider's Frame Relay switch. The UPS - NNI is offered at transmission speeds of :

56 Kbps - DS0
64 Kbps - DS0
1.536 Mbps - DS1
44.210 Mbps - DS3

Non-recurring charges apply to each UPS - UNI or UPS - NNI on each UPS Frame Relay installed.

At no additional charge, and at the customer's request, the Telephone Company will cooperatively test at the time of installation.

Optional Features - UPS - Frame Relay

Optional features may be added to UPS - FR to improve quality or utility to meet specific communication requirements. These features are:

(A) Data Link Connection Identifier (DLCI) per UPS - UNI, or UPS - NNI

This feature provides for the assignment of DLCIs per UPS - UNI or UPS - NNI. **When two DLCI's are mapped together, a PVC can be created.**

(B) Committed Information Rate (CIR)

CIR is a feature that enables the customer to select a sustained throughput under normal conditions. **A CIR must be selected for each DLCI. A CIR selected with a value greater than zero has a separate charge from the DLCI charge.** Frames submitted at a rate above the subscribed CIR will be marked as "discard eligible" (DE) and if network congestion occurs, are subject to being dropped by the network. IF CIR is set as equal to zero, then all frames will be marked DE, however, in the absence of network congestion, DE marked frames will be transported with the same reliability as frames not marked DE. **The CIR value selected cannot exceed the minimum transmission speed of the link at either end of the PVC.**

(C) Feature Change Charge

A Feature Change Charge applies, in addition to specific optional feature charges, whenever a change is made (at the customer's request) to a single optional feature within a single network configuration on a single switch. **Although multiple changes may be caused by such actions, only one Feature Change Charge will apply.**.

(D) Transfer of Service

When a change to the customer of record is requested, Transfer of Service charges will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, shown as follows will be made without charge(s) to the customer. The customer remains responsible for all outstanding indebtedness for Access Service. Administrative changes are:

-Change of customer name (i.e., the customer of record does not change, but instead they change their name).
-Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment.
-Change in billing data (name, address, or contact name or telephone number -- the customer of record does not change). This change does not constitute a Transfer of Contract charge.
-Change of customer circuit identification.
-Change of billing account number.
-Change of customer test line number.
-Change of customer or customer's end user contact name of telephone number.
-Change of jurisdiction.

All other service arrangements, including physicial changes to existing services, will be charged as follows:

If the change involves the addition of an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

UPS - Connectionless Data Service (UPS - CDS)

UPS - Connectionless Data Service is a connectionless, packet-switched data service allowing for the interconnection of Local Area Networks (LANS), or other compatible customer equipment. The term "connectionless" means that each packet is addressed and routed separately without first establishing a network connection. This service provides efficient throughput at speeds of:

56 Kbps (DS0), 64 Kbps (DS0), 1.536 Mbps (DS1),
or 44.210 Mbps (DS3)

The UPS - CDS switch subdivides the customer's data traffic into packets with each packet having address information. Each packet is switched independently without prior establishment of a network connection. A unique address is assigned to each subscriber interface on the switch. The unique address allows the UPS - CDS switch to route the customer's data traffic. UPS - CDS is comprised of a network interface component and optional features. Connection to UPS - CDS network interfaces may be accomplished through dedicated access. **Only non-channelized bandwidth may terminate on a UPS - CDS network interface.**

UPS - Subscriber Network Interface (UPS-SNI)

The UPS - SNI is a standard interface used to connect the customer to the UPS - CDS network. The UPS - CDS switch receives the data packet from the customer's network, or device and verifies that the service address is one that is legitimately assigned to the receiving UPS -SNI.

At the UPS - SNI, the UPS - CDS switch can screen both source and destination addresses. This feature defines the addresses that can send information to the UPS - SNI and that can receive information from the UPS - SNI.

Non-recurring charges apply to each UPS - SNI installed.

Service rearrangements are changes to existing (installed) services which do not result in a change in the minimum period requirements. **Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.**

When a change in billing data (i.e., name, address, contact name, or telephone number) is requested in association with a change in the customer's record, transfer of service changes will apply. Charges are applied on a Billing Account Number (BAN).

The UPS - Switch to Switch Interface (UPS - SSI) is used to connect two Connectionless Data Service switches. UPS - SSI ports are available at speeds of:

56 Kbps (DS0), 64 Kbps (DS0), 1.536 Mbps (DS1),
or 44.210 Mbps (DS3)

At no additional charge, and at the customer's request, the Telephone Company will cooperatively test at the time of installation.

Optional Features - UPS - Connectionless Data Service

Optional Features may be added to a UPS - CDS to improve its quality or utility to meet specific communications requirements.

The following Optional Features apply to UPS - CDS. **Monthly recurring rates apply each month or fraction thereof that a specific rate element is provided.** For billing purposes, each month is considered to have 30 days. The types of nonrecurring charges that apply to UPS - CDS are: Installation of Services, Installation of Optional Features, and Service Arrangements.

A. Network Interface

This rate category provides for the customer's termination on the UPS switch. The Network Interface rate category includes the packet switching function.

B. Multiple Addresses

This feature allows the customer to have multiple addresses associated with one UPS - SNI. **A maximum of sixteen (16) addresses is allowed per DS0 and DS1 UPS - SNI ordered. A maximum of 128 addresses is allowed per DS3 UPS - SNI ordered. The first address is provided at no additional charge. An additional charge applies to every address per SNI, excluding the first address.**

C. Individual and Group Address Screening Table

Address screening allows restrictions to be reinforced on the delivery of UPS - CDS packets from particular sources and on the transmittal of UPS - CDS packets to particular destinations. This feature allows the customer to set up two lists of addresses per UPS - SNI. One list for destination address screening for individually addressed packets and source address screening for all packets (whether individual or group addressed). The second list defines the destination address screening for group addressed data sent by the CPE (Customer Provided Equipment).

D. Group Address List

The Group Address Feature allows the customer to pre-assign a list of individual UPS - SNI addresses as a Group Address. With this feature, data that is sent to the Group Address will be reproduced by the UPS - CDS network and sent to every UPS - SNI that is on the address list. **A maximum of 128 UPS - SNI addresses may be contained in one Group Address List.**

E. Feature Change Charge

In addition to any specific Optional Feature Charges, a Feature Change Charge will be applied whenever a charge is made (at the customer's request) to a single Optional Feature within a single network configuration on a single switch. Although multiple changes may be caused by such action, only one Feature Change Charge will apply.

F. Transfer of Service

When a change to the customer of record is requested, Transfer of Service Charges will apply. Charges are applied on a Billing Account Number (BAN).

Administrative changes, as identified below, will be made without charge(s) to the customer. The customer remains responsible for all outstanding indebtedness for Access Service. Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer changes its name).
- Change of customer or customer's end user premises address when the change of address is not the result of physical relocation of equipment.
- Change in billing data (name, address, contact name/telephone number, when the customer of record does not change). This change does not constitute a Transfer of Contract change.
- Change of customer circuit identification.
- Change of billing account number.
- Change of customer test line number.
- Change of customer or customer's end user contact name of telephone number.
- Change of jurisdiction.

All other service rearrangements, including physical changes to existing services will be charged as follows:

If the change involves the addition of an Optional Feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

Reason for Issuance

To provide the Competitive Local Exchange Carriers (CLECs) with information for ordering Unbundled Packet Switching Services (UPS).

Application	**UPS - Frame Relay (UPS - FR)** is a connection oriented packet-switched data service. The term "Exchange Access Frame Relay" denotes a connection oriented packet-switched data service for the interconnection of the Local Area Networks (LANs), or other compatible customer equipment. **UPS - Connectionless Data Service (UPS - CDS)** is a connectionless oriented packet-switching service. The term "Exchange Access Connectionless Data Service" denotes connectionless, packet-switched data services for the interconnection of Local Area Networks (LANS), or other compatible customer equipment.
Advantages / Benefits	Unbundled Packet Switching (UPS) uses digital transmission facilities and switching technology to provide high speed information transfers to users with large bandwidth requirements. UPS Fast Packet technology divides data into blocks (packets) with fixed maximum lengths. These packets are transported through the Company's network. Each packet contains the necessary information to ensure accurate data transfers to its destination.
Availability	Unbundled Packet Switching (UPS) Frame Relay Service/Unbundled Packet Switching (UPS) Connectionless Data Service is available to Competitative Local Exchange Carriers (CLECs) via specific contractual arrangements with BellSouth.
Service Restrictions	UPS Service is available per the individual CLEC's contract.
Minimum Bill Requirements	Minimum billing period for UPS - Frame Relay and UPS - Connectionless Data Service (CDS) is one month **unless otherwise specified in the individual CLEC's contract.** **Customer Desired Due Date (CDDD) does not apply to this service.** **Service Installation Guarantee (SIG) does not apply to this service. In the Bill Section of the Service order IBI SIGE must appear.**
Inquiry Requirements	Normal Service Inquiry procedures will be followed based on the service type and quantity.